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13. ABSTRACT (Maximum 200 words) The Office of Naval Research has awarded 239 National Defense Science and Engineering Graduate fellowships since 1989. ASEE administers the program for the Office of Naval Research. Ten percent are members of under-represented minority groups, and twenty-eight percent are female. The report describes post-award administration and supplies demographic statistics concerning the participants. The report supplies the whereabouts and current activities of all the 89 students who completed the program. Samples of mailings and letters to participants are attached.			
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AMERICAN SOCIETY FOR ENGINEERING EDUCATION

ONR-NDSEG FELLOWSHIP PROGRAM

GRANT N00014-89-J-3186

GRANT N00014-93-1-0774

Grant Period: 1 August 1989 - 31 August 1996

This Report Period: 1 October 1992 - 30 September 1993

THIRD MANAGEMENT AND DEMOGRAPHIC REPORT

Submitted and Prepared by:

Jeffrey P. Jarosz

Program Manager, Projects Department

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American Society for Engineering Education

ONR-NDSEG Graduate Fellowship Program

Grant N00014-89-J-3186: 1 August 1989 - 31 August 1995

Grant N00014-93-1-0774: 15 July 1993 - 31 August 1996

This report period: 1 October 1992 - 30 September 1993

Third Management and Demographic Report

Prepared and submitted by: Jeffrey P. Jarosz, Program Manager,
Projects Department

1. Introduction

Grant N00014-89-J-3186, as subsequently amended, provides \$20,302,818 for the support of this program from August 1, 1989 through August 31, 1995.

Supplementary grant N00014-93-1-0774 provides \$3,358,853 for the support of the program from July 15, 1993 through August 31, 1996.

This report serves as ASEE's third management and demographic report as well as the final report for the 1993 program. It will provide information concerning the post-award administration for the first, second, third, fourth and fifth classes of fellows.

Supplementary documentation is attached as follows:

- A. Detailed appointment letter
- B. Letter to department chairperson
- C. Chairperson's institutional certification form
- D. Administrative control form
- E. Fellow's summer plan form
- F. Adviser's certification of fellow's progress
- G. Memorandum to bursars
- H. 1993 financial statements
- I. Memorandum and form concerning direct deposit of stipends
- J. Analysis of new fellows
- K. Farewell letter and form

2. Administration

ASEE's responsibilities in the administration of the ONR-NDSEG fellowship program begin after ONR has made its selections. ONR awarded fellowships to 39 students in spring 1989, to 50 students in spring 1990, to 89 students in spring 1991, to 32 students in spring 1992, and to 29 students in spring 1993, for a total of

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239 fellowships to date. Each spring, after ONR made its selections, ASEE mailed each new fellow a detailed appointment letter. Attachment A is a sample appointment letter, mailed on May 15, 1993.

To establish an administrative file for each fellow, ASEE sent a letter to the chairperson of the department in which the fellow would study. This letter outlined the benefits to the department as well as its obligations (attachment B). The department chairperson was requested to complete and return an institutional certification (attachment C).

ASEE acquired the information necessary to insure prompt payment of monthly stipends by sending each fellow an administrative control form (attachment D).

In order to secure fellowship support for the second and third years, students were required to complete a progress form and summer plan (attachment E), and a faculty adviser was asked to certify the student's progress (attachment F).

New fellows were requested to forward a "memorandum to bursar's office" (attachment G) to the appropriate billing office of their institutions. The memorandum authorized the bursar to bill ASEE directly for the student's tuition.

3. Financial management and reporting

Two grants plus amendments have been awarded to conduct the program from August 1, 1989 through August 31, 1996. A total of \$23,661,671 has been authorized to conduct the programs for five groups of fellows (three years for each group) through August 31, 1996. ASEE periodically submitted vouchers for advance payment of student support and administrative expenses. For N00014-89-J-3186 these costs, plus stipends, tuitions, mandatory fees, and department allowances totalled \$5,090,606.46 for fiscal year 1993 and \$13,591,423.34 for the total grant period. For N00014-93-1-0774 costs totalled \$432,992.50. The ONR-NDSEG fellowship program for FY93 cost a total of \$5,523,598.96.

The number of students on tenure in the spring of 1993 was 169.

Financial statements are attachment H.

4. Banking

Since September 1990, stipends have been deposited electronically into fellows' bank accounts. Fellows can elect to have stipends deposited into checking or savings accounts. They do not have the option of receiving "live checks". Feedback from the fellows concerning the direct deposit service is uniformly positive. Funds are available to fellows on the first working day of the

month. The memorandum mailed to fellows concerning direct deptsit and the required authorization agreement are attachment I.

5. Summer at Navy R&D centers

The following ONR-NDSEG fellows took the opportunity to conduct research at a Navy R&D center during the summer of 1993:

Timothy Barnard - 15 weeks at NSWC Carderock
 Ann Bisantz - 7 weeks at NCCOSC
 Steven Cimaszewski - 15 weeks at NUWC Newport
 Nicole Ellis - 13 weeks at NPRDC
 Lorna Kocian - 12 weeks at NHRC
 Suzanne Kohin - 9 weeks at NCCOSC
 James Lemoine - 12 weeks at NPRDC
 Michael Nystrom - 13 weeks at NRL
 Anke Richter - 12 weeks at NPRDC
 Jennifer Robinson - 12 weeks at NHRC
 Thomas Royston - 14 weeks at NSWC Carderock
 Michael Sadd - 11 weeks at NRL

Feedback from the fellows and their laboratory colleagues was positive.

6. Analysis of ONR-NDSEG fellows

ONR awarded 39 fellowships in the spring of 1989, fifty fellowships in the spring of 1990, eighty-nine fellowships in the spring of 1991, thirty-two fellowships in the spring of 1992, and twenty-nine fellowships in the spring of 1993. Although the awards are made in the spring, the students do not commence tenure until the autumn - September or October. To date, ONR has awarded 239 NDSEG fellowships. Only eleven fellows have withdrawn (Ansari, Brown, Chinn, Cook, Craig, Hiemstra, Howell-Kubler, Hsu, Isaacs, Turk and Wong) and there were two no-shows (Laursen and Potts).

There are currently 169 fellows on tenure.

ASEE has analyzed the ONR-NDSEG fellows in three ways. First, it has examined the new class of fellows, those appointed in 1993. Second, it has cumulative statistics on all five classes. Third, it has follow-up information on the two classes of fellows who have completed their tenure.

NEWLY APPOINTED FELLOWS: Attachment J lists the 29 new fellows (those appointed in spring 1993) by surname and first name. The list provides their undergraduate and graduate institutions, age, race (white-not a member of an under-represented minority group), undergraduate grade point average, rating by undergraduate instructors, discipline, sex and home state.

The 29 new fellows represent 21 different undergraduate institutions. The most popular undergraduate institutions were Stanford and MIT. Four fellows graduated from Stanford and three graduated from MIT.

The fellows selected 13 different graduate institutions. The most popular graduate schools are MIT, Harvard, University of Washington, and Stanford. There are seven new ONR-NDSEG fellows at MIT, four at Harvard, four at the University of Washington, and three at Stanford.

The new fellows range in age from 22 to 31, with the median age being 23.

Twenty-four of the new fellows (82%) are Caucasians or Orientals. Five fellows are members of under-represented minority groups in science and engineering; specifically, three Hispanics, one African American and one Pacific Islander. Under-represented minorities constitute 17% of ONR's new NDSEG fellows.

The undergraduate grade point averages for ONR's new NDSEG fellows ranged from 3.38 to 4.0. (Three of the fellows claimed perfect 4.0s.) The median GPA was an impressive 3.82.

The instructors of the 29 new ONR-NDSEG fellows at their undergraduate institutions rated them very highly. Twenty-two of the new fellows (75%) received reference evaluations marked "truly exceptional: equivalent to the very best you have known - a person who, in your experience, appears once every few years." Two fellows were rated as "outstanding: comparable to the best student in a current class - highest 5%". Two fellows were rated as "unusual: next highest 5%". (The remaining three fellows were not rated on the standard evaluation sheet.)

New fellowships were awarded in twelve different disciplines. The most popular discipline among the new fellows is oceanography. There are six fellows in oceanography; four in manufacturing sciences/engineering; one in naval architecture/ocean engineering; and two each in biosciences, chemistry/chemical engineering, cognitive-neural-behavioral sciences, computer science, electrical engineering, materials science and engineering, mathematics, mechanical engineering, and physics.

Twenty-seven percent of the new fellows are women, and 72% are men.

They represent 19 states and the District of Columbia. The most represented home state is California. Five new fellows come from California, four from Pennsylvania, and three from New York.

CUMULATIVE DATA: More significant than the statistics for any give year are the statistics for a five-year period. Since 1989 ONR has appointed a total of 239 NDSEG fellows.

Eighty-nine percent of ONR's NDSEG fellows are Caucasian or Oriental. Ten percent are members of under-represented minority groups: 5% are Hispanic, 3% are African Americans, and 1% are Pacific Islanders. There is also one handicapped fellow.

Seventy-one percent of ONR's NDSEG fellows are male, and 28% are female.

ONR has emphasized oceanography over all other disciplines. Seventeen percent of ONR's NDSEG fellows are pursuing Phds in oceanography. The distribution of disciplines is as follows:

- oceanography - 17%
- electrical engineering - 9%
- manufacturing sciences - 9%
- neural sciences - 8%
- computer science - 8%
- materials science - 7%
- physics - 7%
- chemistry - 6%
- mathematics - 6%
- mechanical engineering - 6%
- biosciences - 5%
- naval architecture - 5%
- geosciences - 1%

The distribution of awards among the 13 disciplines is very even. Except for oceanography at the top and geosciences at the bottom, each discipline received 5-9% of the awards.

The most represented home states are California, New York, and Pennsylvania.

EX-FELLOWS: As the 29 students who were appointed in spring 1993 began their tenure as ONR-NDSEG fellows, the second group of students - those who were appointed in spring 1990 - completed the program. (NDSEG funding is for three years.) Two whole groups of ONR-NDSEG fellows have completed the program.

Of the 89 students who were appointed in the first two years (1989 and 1990) there were two "no-shows": Annette Laursen and Virginia Potts. They accepted the fellowship but failed to return any paperwork. Efforts to reach them were fruitless. Seven fellows withdrew early: Amid Ansari, Perry Brown, Jason Chinn, Anthony Craig, David Hiemstra, George Turk and Jose Wong. Eighty students completed the three-year program successfully. When their tenure ended, ASEE mailed them a farewell letter and a form. The letter encouraged them to keep ASEE informed of their whereabouts. The form requested their mailing address, telephone number and immediate plans; it also asked whether they plan to continue their pursuit of the PhD full time, study part time and work part time, or abandon their pursuit of the PhD. The forms which have returned to ASEE indicate that most ex-fellows are continuing their pursuit of the PhD full time and anticipate receiving it in approximately one more year. Only one fellow, Michael Ernst, reported that he had abandoned his pursuit of the

PhD. Instead, he is employed by Microsoft as a software development engineer.

The farewell letter and form are attachment K.

ASKE has collected the following data concerning the 89 fellows who were appointed in spring 1989 and spring 1990:

(1989) Michael Alston - electrical engineering; earned PhD from UCSD in 1992
 Steven Attanasio - materials science; earned PhD from MIT in 1994
 John Barr - materials science; earned PhD from University of Missouri-Rolla in 1993
 Marcos Betancourt - physics; earned PhD from UCSD in 1994
 Edward Brook - geosciences; earned PhD from MIT in 1994
 Jason Chinn - chemistry; enrolled at Caltech but dropped out
 Joseph Cisneros - electrical engineering; earned PhD from UCLA in 1990
 Gabriela Cornejo-Weaver - chemistry; completed three years at University of Colorado-Boulder
 Mary Court - industrial engineering; earned PhD from RPI in 1993
 Bret Danilowicz - marine biology; earned PhD from Duke in 1994
 Jesus Del Castillo - physics; earned PhD from UC Davis in 1993
 Lisa Dhar - chemistry; completed three years at MIT
 Michael Ernst - computer science; completed three years at MIT; currently a software development engineer for Microsoft
 Steven Gadd - chemistry; UC Berkeley; expects PhD in 1995
 Robert Goodwin - geosciences; University of Michigan; expects PhD in 1995
 Thomas Graettinger - materials science; completed three years at NCSU
 Jennifer Groh - neuroscience; earned PhD from University of Pennsylvania in 1993
 Thomas Hahn - mechanical engineering; completed three years at Carnegie Mellon
 Michael Kalish - neuroscience; completed three years at UCSD
 John Kim - neuroscience; earned PhD from MIT in 1993
 Andrew Kennedy Lang - computer science; earned PhD from Carnegie Mellon in 1994
 Jennifer Lee - oceanography; earned PhD from MIT in 1994
 Jean Lynch - oceanography; earned PhD from Columbia in 1994
 Brian McDonald - oceanography; earned PhD from Stanford in 1993
 Amelia Nissenbaum - math; completed three years at New York University
 Virginia Potts - no-show
 Elliott Schwartz - materials science; earned PhD from MIT in 1994
 Erik Sklar - neuroscience; earned PhD from Brown in 1993
 J. Mark Stevenson - geophysics; earned PhD from Scripps in 1992; currently a scientist for NCCOSC
 Dana Swift - oceanography; earned PhD from University of Washington in 1994
 Valerie Taylor - electrical engineering; earned PhD from UC Berkeley; currently an assistant professor at Northwestern University

Thomas Tighe - physics; earned PhD from Harvard in 1993
 Eric Tornø - computer science; earned PhD from Stanford in 1994
 Ann Trenk - math; earned PhD from Johns Hopkins in 1991;
 currently a postdoc at Dartmouth
 Eugene Tung - industrial engineering; earned PhD from UC-Berkeley
 in 1993
 Monique Willard - mechanical engineering; completed three years
 at UCLA
 Jose Wong - operations research; enrolled at Stanford but dropped
 out
 Loncy Wyse - neuroscience; earned PhD from Boston University in
 1993
 Linda Zeger - physics; earned PhD from Harvard in 1994
 (1990) Donald Allen - materials science; completed three years at
 University of Wisconsin
 Amid Ansari - oceanography; enrolled at University of Michigan
 but dropped out
 Kimberly Bane - neuroscience; earned PhD from NCSU in 1994;
 currently working for IBM
 Douglas Barnum - math; completed three years at UC Berkeley
 Edward Bawolek - industrial engineering; earned PhD from Arizona
 State University in 1991
 Urmi Bhattacharya - math; Stanford; expects PhD in 1997
 Peter Bigot - computer science; University of Arizona; expects
 PhD in 1997
 Ann Bisantz - industrial engineering; Georgia Tech; expects PhD
 in 1995
 Cynthia Bowline - naval architecture; earned PhD from Oregon
 State in 1993
 Holly Brown - oceanography; University of Washington; expects PhD
 in 1996
 Perry Brown - industrial engineering; enrolled at University of
 Arkansas but dropped out
 Ellen Caldwell - biology; earned PhD from University of Alabama-
 Birmingham in 1994
 Michael Casey - neural science; earned PhD from University of
 California-San Diego in 1994
 Lars Chapsky - biology; University of California-Berkeley;
 expects PhD in 1995
 Herman Chui - electrical engineering; earned PhD from Stanford in
 1994
 Darren Cofer - electrical engineering; earned PhD from University
 of Texas at Austin in 1994
 Anthony Craig - oceanography; enrolled at University of
 Washington but dropped out
 Bassil Dahiyat - chemistry; Caltech; expects PhD in 1996
 Michael Dennin - physics; earned PhD from UC Santa Barbara in
 1994
 James Durkin - computer science; completed three years at Cornell
 David Egolf - physics; earned PhD from Duke in 1994
 David Ephron - physics; earned PhD from Stanford in 1994
 Harold Scott Gingrich - physics; completed three years at
 University of New Mexico; expects PhD in 1995
 Michael Grah - materials science; earned PhD from Purdue in 1993;

currently a research engineer for Michelin Tire Corporation
 Mark Christopher Haase - math; University of Chicago; expects PhD in 1995
 David Hiemstra - mechanical engineering; enrolled at University of Illinois but dropped out
 Tina Hoover-Dahlseid - mechanical engineering; completed three years at Northwestern University
 Rhonda Kelly - oceanography; completed three years at University of Washington
 Derek Koehler - neural science; earned PhD from Stanford in 1993; currently a postdoc at Cambridge
 Karen Kohfeld - oceanography; Lamont-Doherty Geological Observatory; expects PhD in 1995
 Annette Laursen - no-show
 Bruce Lipphardt - oceanography; earned PhD from Old Dominion University in 1994
 William Mattingly - material science; earned PhD from Cornell in 1994
 James McCleary - electrical engineering; completed three years at Texas A&M
 Thomas Orsi - oceanography; earned PhD from Texas A&M in 1994
 Vicki Pierson - biology; completed three years at University of Maryland-Baltimore
 Pedro Pizarro - chemistry; earned PhD from Caltech in 1993
 Britt Raubenheimer - oceanography; Scripps Institution of Oceanography; expects PhD in 1996
 Diana Rincon - mechanical engineering; earned PhD from University of Michigan in 1993
 Jennifer Robinson - industrial engineering; Georgia Tech; expects PhD in 1995
 Thomas Royston - mechanical engineering; Ohio State; expects PhD in 1995
 Jeffrey Russakow - mechanical engineering; Stanford; expects PhD in 1995
 John Ryan - oceanography; University of Rhode Island; expects PhD in 1996
 Eunice Santos - computer science; completed three years at UC Berkeley
 Brooke Shipley - math; Massachusetts Institute of Technology; expects PhD in 1995
 Naomi Super-Fried - materials science; earned PhD from MIT in 1994
 Brian Taylor - computer science; completed three years at MIT
 Jeffrey Thomas - computer science; University of Texas-Austin; expects PhD in 1996
 George Turk - naval architecture; enrolled at Oregon State but dropped out
 Richard Voyles - electrical engineering; Carnegie Mellon; expects PhD in 1995

The former fellows' appreciation of ONR's support is reflected in the following comments:

Steven Attanasio wrote: "I would like to formally thank ONR and

ASEE for providing me with financial support during my first three years of graduate school. It has been a great honor to be recognized as a DoD fellow. In addition, the ONR financial support helped me to be flexible in my choice of an adviser and a thesis project. I will be sure to acknowledge the aid of ONR in any publications derived from work on my PhD thesis or from work performed during the summer which I spend at David Taylor Research Center. I would also like to thank you for being a helpful contact during my years as a DoD fellow, despite the extra paperwork which I know I sometimes caused you. If I can be of any help to you or to future graduate students, please let me know."

John Ryan wrote: "I want to let you know how important this opportunity has been. Graduate education is a luxury, and with your help I have been able to pursue an ideal. My education in oceanography will continue here at URI. I extend my sincere gratitude to ONR and to ASEE for their help and support and I wish you all well."

Mark Stevenson wrote: "ONR's support was acknowledged thoroughly in my dissertation. Thank you for your help."

Richard Voyles wrote: "I would like to thank you and ASEE for managing the NDSEG fellowship program during my period as a fellow. Your administration was efficient, responses were timely, and I experienced no problems during my three years in the program. As a member of ASEE, I am also pleased that the society has taken on tasks such as the administration of graduate fellowships. This is a natural way for ASEE to participate in the fostering of the pursuit of advanced degrees by US citizens - an issue that has been much discussed of late. In my particular case, I would not have entered the PhD program at Carnegie Mellon if it had not been for this award. Although I was not able to finish my degree in the three years allotted, I have secured continuation funding from Carnegie Mellon and upon completion I hope to enter the academic ranks."

Lonce Wyse wrote: "I want to take this opportunity to express my gratitude for the support from DoD and ASEE during the last three years. Because I was independently funded, I had the freedom to apply the neural network techniques developed here to an area not previously focussed on by this department. The results of the work have been quite rewarding, and I hope to continue this line of research in my career. I will be presenting a paper in Beijing this November. I plan to submit a report on the conference to Dr. Kahaner at the ONR/Asia for publication in the 'ONR Scientific Information Bulletin'. This division of ONR is one in which I would be particularly interested and qualified to be involved with in the future. I have received a research assistantship to carry me through the completion of my dissertation work. I look forward to future relationships we may have based on research of our mutual interests."



American Society for Engineering Education

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May 15, 1993

Mr. Robert Peters
931 East State St. #1
Ithaca, NY 14850

Dear Robert:

Congratulations on your selection as an ONR-NDSEG Graduate Fellow. Your selection was made in the face of heavy competition. You were one of many well qualified applicants to receive one of the 29 fellowships awarded.

The American Society for Engineering Education (ASEE) has been charged by ONR with administrative responsibility for this graduate fellowship program. ASEE, founded in 1893, is a non-profit educational association of engineering schools, engineering teachers, and industry and government representatives. The Grants and Contracts Department of ASEE will handle most of the administrative aspects of your fellowship. The administrative burden on you will be very light, but be sure to respond promptly to all administrative requirements. Stipends, tuitions and allowances will be withheld if administrative requirements are not met.

Your fellowship file will be maintained in this office. Always take care to notify ASEE promptly of any changes in your address. Your stipend payments will begin the month you start attending classes and will be paid only for a full month of full-time, degree-related study. The stipend will be transferred electronically to your bank on the first working day of each month. If you begin classes at the end of September, your first stipend will be disbursed at the beginning of October. It would be very advisable, therefore, to report to graduate school with some alternative funds to see you through the first few weeks. If you maintain academic progress and full-time enrollment, you will receive twelve monthly stipends of \$1,250.00, twelve stipends of \$1,333.33, and twelve stipends of \$1,416.66. See the enclosed page titled "Stipends and Banks" for more information concerning your stipends.

Pending receipt of certification that you have been admitted to a graduate program and will begin your tenure under this fellowship on a specified date in autumn 1993, ASEE will pay your tuition and mandatory fees directly to the institution at which you will study. An allowance of \$2,000 will be given to the department in which you will study, to be used at the discretion of the department chairperson. The allowance will be paid at the end of the academic year, provided you have made satisfactory progress toward your degree, and after three documents have been submitted - a transcript/grade report for the academic year, an adviser's certification form, and a fellow's summer plan form.

The enclosed administrative control form asks for the name and address of your department chairman, to whom an appropriate certification form will be sent for completion and return to ASEE. It may be advisable to check with your department chairperson in order to make certain that he/she has filled out the certification form and returned it to ASEE. No stipends or tuitions will be paid if your chairperson has not certified your enrollment.

The fellowship department of ASEE has a direct telephone number of 202-986-8516. If it is busy you can also dial 202-986-8525.

I would like to know the name of your faculty adviser as soon as you have been assigned to one. If you already have an adviser or know who your adviser will be, please enter this information on the enclosed administrative control form. If you do not yet know who your adviser will be, send me the control form anyway and give me a call when you do know.

I would appreciate the return of the enclosed administrative control form as soon as possible.

Also enclosed is a memorandum for registrars. The memorandum should be delivered or mailed by you to the registrar/bursar of your graduate school. This will authorize the registrar or bursar to bill ASEE for your tuition and mandatory fees. Retain a copy of the bursar's memo for your own files, because it will not be sent each year.

You are entitled to three years of support (tuition plus stipend) within a three-year period beginning in autumn 1993. It is your responsibility to keep the billing agency of your university informed of your funding status. For example, if you go off ONR-NDSEG tenure during the summer months, you must inform your bursar as well as ASEE. ASEE will be glad to confirm your funding status by telephone if you or your institution need clarification, but it will not send funding guarantees to your university each semester.

All amounts provided by a fellowship which are used for living expenses or travel must be reported as income. Since the grantor of a fellowship does not withhold tax, fellows must make estimated tax payments. Estimated tax payments can be made annually or quarterly. Consult IRS publication 520 for details.

Also enclosed are two copies of a memorandum concerning patents and inventions. Read the memorandum and retain one copy for future reference. Please sign, date, and return the other copy to me prior to starting your graduate program. At the end of your tenure as an ONR fellow you will be required to report any inventions to ASEE on the form provided; but for now, sign and return a copy of the memorandum, not the report form.

Robert, I look forward to making your fellowship tenure a rewarding experience. Most students selected for the ONR-NDSEG program have their choice of several prestigious fellowships. I believe that in accepting ONR's offer, you have made the right choice. A survey of NDSEG fellows who completed the program which you are now starting revealed an extremely impressive list of publications in archival journals, patents, grants, conference presentations, and other accomplishments. One fellow remarked: "I would have completed a PhD without the NDSEG fellowship but would not have reached the same professional level if I were faced with the restrictions and constant struggles for funds. It is one of the best sources of graduate funding available. I am proud to have been an NDSDEG fellow."

Yours truly,



Jeffrey P. Jarosz
Program Manager
Grants and Contracts

enclosures: Fellowship Administrative Control Form
Memorandum for Registrar or Bursar
"Stipends & Banks"
Authorization Agreement for Direct Deposit
Patent Memorandum (2)
Patent Report Form

cc: D. Hughes, ONR



American Society for Engineering Education

MEMORANDUM

FROM: American Society for Engineering Education

TO: Participants in the Department of Defense Graduate Fellowship Program

SUBJECT: Patents, Inventions, Innovations

1. Persons selected to participate as Fellows in the Department of Defense Graduate Fellowship Program are required to comply with the provisions of the "Patent Rights-Retention by the Contractor (June 1989)" clause of the Federal Acquisition Regulation (FAR), Part 52.227-11, and are considered subcontractors to the American Society for Engineering Education.
2. Fellows are required, in accordance with the Patent Rights clause, to report any invention made, ie., conceived or actually reduced to practice, during the period covered by their performance in the Fellowship Program. Invention means any "discovery or innovation that may be patentable or otherwise protectable under U.S. patent law.
3. Any invention, as defined hereinabove, is to be reported to the Senior Patent Attorney at the Office of the Chief of Naval Research, Code 00CC1; 800 North Quincy Street, Arlington, Virginia 22217-5000.
4. At the conclusion of the period of performance under the Fellowship Program, each Fellow is required to provide an abstract to ASEE, listing all inventions made and/or reported during the performance period, or stating that there were none. For convenience, the enclosed form may be used in reporting inventions to ASEE.
5. Please sign and return this form to Jeff Jarosz, DOD Program Manager.

NAME: _____

SIGNATURE: _____

DATE: _____

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ASEE



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4. At the conclusion of the period of performance under the Fellowship Program, each Fellow is required to provide an abstract to ASEE, listing all inventions made and/or reported during the performance period, or stating that there were none. For convenience, the enclosed form may be used in reporting inventions to ASEE.
5. Please retain this copy for reference.

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AMERICAN SOCIETY FOR ENGINEERING EDUCATION

DOD GRADUATE FELLOWSHIP

PATENT REPORT FORM

[] Pursuant to the "Patent Rights--Retention by the Contractor (June 1989)" clause of the FAR Part 52.227-11 and the "Memorandum to Participants in the Department of Defense Graduate Fellowship Program", the following inventions were made and reported during the period of my Fellowship appointment.

<u>INVENTION TITLE</u>	<u>INVENTORS</u>	<u>DATE OF DISCLOSURE TO IP OFFICE</u>
-------------------------------	-------------------------	---

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

[] No inventions were made.

NAME: _____

SIGNATURE: _____

DATE: _____

NOTE: Please return this form to Jeff Jarosz, DOD Fellowship manager.

**ASEE
1818 N Street NW, Suite 600
WASHINGTON DC 20036**

**PHONE (202) 331-3525
FAX (202) 265-8504**

ASEE



American Society for Engineering Education

June 15, 1993

Mr. Kemy Vahala
Chairman
Applied Physics Department
Mail Code 128-95
California Institute of Technology
Pasadena, California 91125

Dear Mr. Vahala:

Ms. Alicia C. Alonzo has been awarded a National Defense Science and Engineering Graduate (NDSEG) fellowship. According to information supplied by her, she has been admitted to graduate study in your department.

Under the terms of the fellowship, the institution in which the Fellow is enrolled for full-time graduate studies is entitled to full tuition payable by ASEE to the institution at the beginning of each semester or quarter. In return for this payment, the institution is expected not to invoice the student for tuition and fees normally charged to students of similar academic standing. In addition, \$2,000 will be paid to the department in which the student is pursuing his degree payable at the end of the academic year.

Enclosed is a brief certification which should be returned as soon as possible so that the stipends, tuition and institutional allowance can be paid.

Questions concerning this program may be addressed to me at this special telephone number: 202/331-3516.

Sincerely,

Jeffrey P. Jarosz
Program Manager
Projects Department

enclosure

cc: D. Hughes, ONR

1818 N Street, N.W.
Suite 600
Washington, D.C. 20036
Main (202) 331-3500
Fax (202) 265-8504

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

DOD GRADUATE FELLOWSHIP

INSTITUTIONAL CERTIFICATION

This is to certify that (Name of DOD Fellow) _____

has been admitted to graduate study in (Department) _____

and will begin, or has begun, his/her studies on (Date) _____

Department Chairman Signature: _____

Information about academic progress of the DOD Fellow will be provided upon request by:

NAME: _____

DEPARTMENT: _____

TELEPHONE NUMBER: _____

The institutional allowance should be made payable to: _____

The institutional allowance should be mailed to: _____

NOTE: Please return this form to Jeff Jarosz, DOD program manager.

**ASEE
1818 N Street NW, Suite 600
WASHINGTON DC 20036**

**PHONE (202) 331-3525
FAX (202) 265-8504**

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

DEPARTMENT OF DEFENSE GRADUATE FELLOWSHIP

FELLOW'S ADMINISTRATIVE CONTROL FORM

NAME OF FELLOW: _____

FELLOWSHIP INSTITUTION: _____

DEPARTMENT: _____

DEPARTMENT CHAIRMAN: _____

DEPARTMENT ADDRESS: _____

FACULTY ADVISOR: _____

ADVISOR'S ADDRESS: _____

ADDRESS TO WHICH MONTHLY STIPEND STATEMENTS SHOULD BE SENT:

NOTE: Please return with this form or separately four glossy, black and white, head and shoulders photographs, preferably not smaller than 3x5 to Jeff Jarosz, DOD program manager.

ASEE
1818 N Street NW, Suite 600
WASHINGTON DC 20036

PHONE (202) 331-3525
FAX (202) 265-8504



American Society for Engineering Education

11 Dupont Circle, Suite 200 • Washington, D.C. • 20036-1207 • Tele: (202) 986-8500 • Fax: (202) 265-8504

May 1, 1993

MEMORANDUM

TO: ONR-ASEE Fellows
ONR-NDSEG Fellows
DARPA-NDSEG Fellows

FROM: Jeff Jarosz, Program Manager, Contracts and Grants

SUBJECT: Summer Plans/Certification of Progress

The Department of Defense requires evidence that you are making satisfactory progress in your pursuit of a PhD. Therefore, please arrange for me to receive an official grade report or transcript for academic year 1992-1993.

In addition, I must know what your plans are for this summer. You will recall that stipend payments will continue during the summer only if you are engaged in full-time, degree-related study/research. Kindly complete and return the enclosed form dealing with summer plans.

Please be prompt in providing the information requested. A form will be mailed to your adviser asking him/her to certify your progress. You should check with your adviser to be sure that his/her certification form is returned to ASEE promptly, also. Summer stipends, tuitions and your department's \$2,000 allowance will be withheld pending receipt of these three documents (summer plan form, grade report/transcript, adviser's form).

All three documents are due on June 1, 1993.

In case forms are lost or misplaced, duplicates may be requested. Duplicates will be sent by first class mail only (no faxes).

enclosure

cc: D. Hughes, ONR
B. Wilcox, DARPA

E



American Society for Engineering Education

11 Dupont Circle, Suite 200 • Washington, D.C. • 20036-1207 • Tele: (202) 986-8500 • Fax: (202) 265-8504

ONR-ASEE FELLOWSHIP ONR-NDSEG FELLOWSHIP DARPA-NDSEG FELLOWSHIP

{ } I do not plan to continue my studies during the summer; therefore, please discontinue my stipend payments during that three-month period.

{ } I plan to remain at the university and continue my studies. The following courses/studies are anticipated:

{ } I plan to continue my studies at one of the Navy R&D centers and have requested that the program coordinator of the center notify you in writing of my starting and ending dates.

Name of R&D center _____

NAME _____

SIGNATURE _____

DATE _____

Kindly return this form to Jeff Jarosz by June 1.

NOTE: If you are flying to a Navy R&D center for summer research, you must purchase the ticket from the Connections travel agency.



American Society for Engineering Education

11 Dupont Circle, Suite 200 • Washington, D.C. • 20036-1207 • Tele: (202) 986-8500 • Fax: (202) 265-8504

May 1, 1993

MEMORANDUM

To: Advisers of Graduate Fellows Funded by the Department of Defense

From: Jeff Jarosz, Program Manager, Contracts and Grants

Subject: Certification of Progress

Your name has been given to this office as the academic adviser to the PhD candidate identified on the attached form. The Department of Defense has asked that you verify the satisfactory progress of the candidate and indicate the prognosis for future success.

Kindly complete the attached form. This will enable ASEE as the administrator of the fellowship to fulfill its obligations to the fellows and to the Department of Defense.

Thank you in advance for your prompt cooperation (the fellow's June 1 stipend and the department's \$2,000 allowance will be withheld pending receipt of the certification).

enclosure

cc: D. Hughes, ONR
B. Wilcox, DARPA



American Society for Engineering Education

11 Dupont Circle, Suite 200 • Washington, D.C. • 20036-1207 • Tele: (202) 986-8500 • Fax: (202) 265-8504

DEPARTMENT OF DEFENSE FELLOWSHIP PROGRAM

Adviser's Certification of Progress

1. The above noted PhD candidate is:

- ☐ progressing behind schedule.
- ☐ progressing on schedule.
- ☐ progressing ahead of schedule.

2. The candidate has informed me and I support his/her plans this summer to:

- ☐ continue his/her full-time, degree-related study/research at this institution.
- ☐ discontinue his/her study during the summer.
- ☐ continue his/her study at the following Navy laboratory:

- ☐ I do NOT support the candidate's summer plans.

3. Comments about the candidate

NAME _____

SIGNATURE _____

DATE _____

Kindly return this form to Jeff Jarosz by June 1. This once-a-year academic report is required for renewal of the candidate's fellowship.



American Society for Engineering Education

11 Dupont Circle, Suite 200 • Washington, D.C. • 20036-1207 • Tele: (202) 986-8500 • Fax: (202) 265-8504

June 16, 1993

MEMORANDUM

To: Bursar's Office

From: Jeffrey P. Jarosz, Program Manager, Projects Department

Subject: National Defense Science and Engineering Graduate (NDSEG) Fellowship

The person noted below is the recipient of a National Defense Science and Engineering Graduate (NDSEG) fellowship and has selected your school at which to study for the PhD. The award includes full tuition and mandatory fees normally charged to other graduate students in the same department. Payment of these expenses will be made by the American Society for Engineering Education (ASEE) directly to your institution, provided the fellow is enrolled for full-time, degree-related graduate study or research and maintains satisfactory academic progress.

Please invoice ASEE each semester/quarter/summer rather than for an entire year.

The three-year fellowship will begin in autumn 1993 and will end in summer 1996.

NSDEG Fellowship Recipient:

Ms. Alicia Alonzo
109 Triphammer Road
Ithaca, NY 14850

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

INTERIM FINANCIAL REPORT
10/01/92-9/30/93

GRANT: N00014-89-J-3186
GRANT PERIOD: 8/1/89-8/31/96
AMOUNT AUTHORIZED: \$20,302,818
AMOUNT AVAILABLE: \$20,093,699

ASEE ACCOUNT # PR05

	1st QUARTER 01-Oct-92 31-Dec-92	2nd QUARTER 01-Jan-93 31-Mar-93	3rd QUARTER 01-Apr-93 30-Jun-93	4th QUARTER 01-Jul-93 30-Sep-93	TOTAL 01-Oct-92 30-Sep-93
ADMINISTRATIVE EXPENSE:					
SALARIES	\$13,790.76	\$12,209.92	\$9,539.00	\$14,917.24	\$50,456.92
TEMPORARY SALARIES	0.00	0.00	0.00	0.00	0.00
BENEFITS @ 38.49%	5,308.06	4,699.60	3,671.56	5,741.65	19,420.87
POSTAGE	91.45	604.51	200.60	160.74	1,057.30
EXPRESS/COURIER	74.00	41.80	0.00	0.00	115.80
TELEPHONE	219.15	0.00	8.93	3.65	231.73
TOLL CALLS/FAX	0.00	31.14	0.00	12.47	43.61
ACCOUNTANTS	0.00	135.42	0.00	0.00	135.42
CONSULTANT/HONORARIA	9,444.66	0.00	0.00	0.00	9,444.66
OTHER PROF. SERVICES	489.55	829.30	501.26	473.65	2,293.76
SUPPLIES	168.98	0.00	20.00	0.00	188.98
MACHINE MAINT./RENTAL	0.00	0.00	1,239.46	326.03	1,565.49
PRINTING	16.20	0.00	0.00	0.00	16.20
PHOTOCOPYING	0.00	203.41	23.35	4.61	231.37
TRAVEL	0.00	105.51	497.78	6.25	609.54
COMMITTEE TRAVEL	0.00	1,452.30	-34.75	0.00	1,417.55
TOTAL DIRECT ADMN. COST	29,602.81	20,312.91	15,667.19	21,646.29	87,229.20
INDIRECT @ 57.75%	17,095.62	11,730.70	9,047.80	12,500.73	50,374.86
TOTAL ADM. COST	\$46,698.44	\$32,043.61	\$24,714.99	\$34,147.02	\$137,604.06
PARTICIPANT EXPENSES:					
STIPEND	847,181.07	622,915.00	627,771.91	524,526.65	2,622,394.63
TRAVEL	0.00	0.00	(40.22)	3,368.68	3,328.46
MOVING/RELOCATION	2,678.56	0.00	0.00	14,527.59	17,206.15
TUITION/FEES	507,186.10	608,863.05	546,754.34	339,269.67	2,002,073.16
INSTITUTIONAL ALLOWANCE	0.00	0.00	310,000.00	(2,000.00)	308,000.00
TOTAL PART. EXPENSE	\$1,357,045.73	\$1,231,778.05	\$1,484,486.03	\$879,692.59	\$4,953,002.40
TOTAL PROG. EXPENSE	\$1,403,744.17	\$1,263,821.66	\$1,509,201.02	\$913,839.61	\$5,090,606.46

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

INTERIM FINANCIAL REPORT
10/01/92-9/30/93

ASEE ACCOUNT # PR0503

GRANT: N00014-93-1-0774
GRANT PERIOD: 9/1/93-8/31/96
AMOUNT AUTHORIZED: \$3,358,853
AMOUNT AVAILABLE: \$512,000

	1st QUARTER 01-Oct-92 31-Dec-92	2nd QUARTER 01-Jan-93 31-Mar-93	3rd QUARTER 01-Apr-93 30-Jun-93	4th QUARTER 01-Jul-93 30-Sep-93	TOTAL 01-Oct-92 30-Sep-93
<u>PARTICIPANT EXPENSES:</u>					
STIPEND	0.00	0.00	0.00	67,500.00	67,500.00
TRAVEL	0.00	0.00	0.00	0.00	0.00
MOVING/RELOCATION	0.00	0.00	0.00	0.00	0.00
TUITION/FEES	0.00	0.00	0.00	11,507.50	11,507.50
INSTITUTIONAL ALLOWANCE	0.00	0.00	0.00	0.00	0.00
TOTAL PART. EXPENSE	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$79,007.50</u>	<u>\$79,007.50</u>
TOTAL PROG. EXPENSE	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$79,007.50</u>	<u>\$79,007.50</u>
 TOTAL RECEIVED	 512,000.00				
TOTAL EXPENSES	<u>79,007.50</u>				
	432,992.50				

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

INTERIM FINANCIAL REPORT
8/1/88-4/30/89

GRANT: N00014-88-J-3188
PERIOD: 8/1/88-4/31/89
AMOUNT AUTHORIZED: \$20,303,818
AMOUNT AVAILABLE: \$20,083,888

ASEE ACCOUNT # PRO5

	FY88 01-Aug-88 30-Sep-88	FY89 01-Oct-88 30-Sep-89	FY91 01-Oct-90 30-Sep-91	FY92 01-Oct-91 30-Sep-92	FY93 01-Oct-92 30-Sep-93	TOTAL 01-Aug-88 30-Apr-84
ADMINISTRATIVE EXPENSES:						
SALARIES	\$2,591.53	\$15,592.62	\$31,878.23	\$56,514.31	\$50,456.92	157,034.61
TEMPORARY SALARIES	0.00	1,762.00	1,018.14	113.73	0.00	2,893.87
BENEFITS	865.31	5,657.00	10,950.52	20,384.71	19,420.87	57,278.41
POSTAL SERVICE	0.00	260.19	517.13	1,541.45	1,057.30	3,376.07
EXPRESS & FREIGHT	0.00	22.00	79.54	79.20	115.80	296.54
TELEPHONE	17.53	151.72	346.61	1,621.36	231.73	2,371.95
TOLLS/FAX	0.00	0.00	0.00	0.00	43.61	43.61
ACCOUNTANTS FEES	0.00	3,930.00	4,588.50	3,559.85	135.42	12,213.77
CONSULTANTS	0.00	0.00	24.55	16,694.74	9,444.68	26,163.95
LEGAL/COPYRIGHT	0.00	0.00	720.00	100.20	0.00	820.20
COMP/OTHER PROF SERVICE	0.00	0.00	2,849.05	2,361.98	2,293.76	7,504.79
SUPPLIES	0.00	703.02	783.12	303.45	188.98	1,978.57
REGISTRATION FEE	0.00	0.00	0.00	305.00	0.00	305.00
MACHINE RENTAL/MAINT	0.00	0.00	718.39	0.00	1,565.49	2,283.88
SMALL EQUIPMENT	0.00	0.00	0.00	1,500.00	0.00	1,500.00
PRINTING	0.00	0.00	0.00	27.36	16.20	43.56
TYPSETTING	0.00	0.00	0.00	93.45	0.00	93.45
PHOTOCOPYING	1.22	53.87	336.05	692.06	231.37	1,314.57
TRAVEL	1.90	311.30	448.50	3,273.94	609.54	4,645.18
COMMITTEE TRAVEL	0.00	483.48	785.48	1,885.04	1,417.55	4,571.53
CATERING	0.00	0.00	0.00	13.00	0.00	13.00
RECRUITMENT	0.00	0.00	1,278.05	42.79	0.00	1,320.84
RENT/OCCUPANCY	0.00	0.00	2,547.68	0.00	0.00	2,547.68
PROJECT COST	0.00	640.00	0.00	0.00	0.00	640.00
DATA PROCESSING	0.00	242.44	0.00	0.00	0.00	242.44
MEETING EXPENSES	0.00	41.67	0.00	0.00	0.00	41.67
TOTAL DIRECT ADMN. COST	3,477.49	29,951.29	59,673.54	111,107.62	87,229.20	291,539.14
INDIRECT	1,653.20	13,110.69	27,098.76	64,084.65	50,758.67	166,646.63
TOTAL ADM. COST	\$5,130.69	\$42,961.98	\$86,772.30	\$175,172.28	\$137,987.87	\$458,185.77
INDIRECT RATE	47.54%	43.62%	45.29%	57.69%	58.19%	
PARTICIPANT EXPENSE:						
STIPEND	73,499.58	529,664.16	1,359,309.24	2,504,757.27	2,622,394.63	7,069,624.88
TRAVEL	0.00	0.00	0.00	25,983.66	3,328.48	29,312.12
RELOCATION	0.00	0.00	0.00	0.00	17,208.15	17,208.15
TUITION & FEES	231,000.00	33,052.88	933,300.41	1,982,987.99	2,002,073.16	5,182,094.42
DEPARTMENTAL ALLOWANCE	0.00	0.00	176,000.00	328,000.00	308,000.00	812,000.00
TOTAL PART. EXPENSE	\$304,499.58	\$562,717.02	\$2,468,609.65	\$4,811,408.92	\$4,953,002.40	\$13,130,237.57
TOTAL PROG. EXPENSE	\$309,630.27	\$605,679.00	\$2,555,581.95	\$5,016,581.20	\$5,080,980.27	\$13,591,423.34



American Society for Engineering Education

MEMORANDUM

FROM: American Society for Engineering Education

TO: Participants in the Department of Defense (DoD) Fellowship Program

SUBJECT: Stipends and Banks

Your monthly stipend will be transferred electronically to your bank on the first working day of the month. You can choose whether the stipend is transferred to a checking account or a savings account. For either type of deposit you must fill out the enclosed "Authorization Agreement for Direct Deposit" and return it to Jeff Jarosz, DoD program manager. In addition, for deposit into a checking account you must include a voided, blank check; and for deposit into a savings account you must include a blank deposit slip. You do not have the option of splitting your stipend between two accounts, nor of receiving your stipend in the form of a "live check" through the mail.

If you have not yet opened an account near your graduate institution, you can wait until you relocate to your graduate institution, open a bank account, and then furnish ASEE with the form and blank check/deposit slip.

PLEASE NOTE: Your first stipend will not be deposited electronically, but will be mailed to you in the form of a "live check". Meanwhile, ASEE's bank will test the information you have provided by attempting to transfer \$0 to your account. If the test is successful, your subsequent stipends will be transferred electronically and ASEE will mail you a non-negotiable monthly statement.

Credit unions often use affiliated banks for electronic transfer services. If you use a credit union, be sure to verify that the 9-digit transit ABA number appearing on your check/deposit slips is the appropriate number for direct deposit transactions.

1818 N Street, N.W.
Suite 600
Washington, D.C. 20036
Main (202) 331-3500
Fax (202) 265-8504

AMERICAN SOCIETY FOR ENGINEERING EDUCATION

DOD GRADUATE FELLOWSHIP

AUTHORIZATION AGREEMENT FOR DIRECT DEPOSIT

I hereby authorize the American Society for Engineering Education, hereinafter called company to initiate credit entries to my checking ☐ savings ☐ account indicated below and the depository named below, hereinafter called depository, to credit the same such account, and, in the event a credit is made to my account in error, I authorize company to make a correcting entry under the condition that I am notified of said adjustment.

ACCOUNT NUMBER: _____ CHECKING ☐ SAVINGS ☐

DEPOSITORY: _____

BANKING TRANSIT NUMBER: _____
(Always 9 Digits)

This authorization is to remain in full force and effect until company has received written notification from me of its termination in such time and in such manner as to afford company a reasonable opportunity to act on it.

SIGNATURE: _____ DATE: _____

STUDENT'S NAME: _____

NOTE: Please include a copy of a void check or deposit slip and return this form to Jeff Jarosz, DOD program manager.

ASEE
1818 N Street NW, Suite 600
WASHINGTON DC 20036

PHONE (202) 331-3525
FAX (202) 265-8504

NAME	ANALYSIS OF NEW FELLOWS					GPA
	UNDERGRADUATE	DISCIPLINE	EVALUATION	AGE	RACE	
Alonzo, Alicia	Cornell	physics	outstanding	22	Hispanic	3.70
Cohen, Amanda	Stanford	ocean	exceptional	25	white	N/A
Daly, Peter	U of Washington	EE	exceptional	23	white	4.00
Forbes, Jeffrey	MIT	computers	exceptional	22	AA	N/A
Gratt, Jason	UC Berkeley	unusual	mat sci	23	white	3.96
Hamme, Roberta	MIT	ocean	exceptional	22	white	3.91
Hoehler, Tori	U NC Chapel Hill	ocean	exceptional	24	white	3.86
Kadlec, Lisa	Haverford	bio	exceptional	26	white	3.90
Ketchpel, Steven	Harvard	computers	exceptional	23	white	3.75
Krause, Jean	Stanford	EE	exceptional	23	white	4.00
Krueger, Brent	NE MO State	chemistry	exceptional	24	white	3.93
Larkin, Simhan	UC Berkeley	ocean	exceptional	26	white	3.79
Molles, Kenneth	U of Washington	physics	exceptional	24	Pacific	3.38
Moroney, Jean	MIT	neural	exceptional	31	white	3.52
Nevins, Thomas	U Notre Dame	math	outstanding	23	white	3.86
Nguyen, Ky Ngoc	Stanford	ind engng	outstanding	23	white	3.45

Norman, Kenneth	Stanford	unusual	TX	male	
	Stanford	neural		23 white	3.96
	Harvard	exceptional	PA	male	
Okhuysen, Victor	Cal Polytechnic	ind engrg		27 Hisp	3.60
	Penn State	exceptional	CA	male	
Palko, Carl	Arkansas Tech	ME		23 white	4.00
	U of Illinois	N/A	AR	male	
Peters, Robert	Cornell	bio		23 white	3.72
	Harvard	exceptional	NY	male	
Pollack, David	U of Chicago	math		23 white	3.89
	Harvard	exceptional	NY	male	
Poon, Anna	Harvard	chem		23 white	3.93
	MIT	exceptional	LA	female	
Ripley, Bonnie	Occidental Coll.	ocean		24 white	3.90
	MIT	exceptional	CA	female	
Shutts, Chris	MIT	ind engrg		23 white	3.92
	MIT	exceptional	PA	male	
Turner, James	Purdue	ocean		25 white	3.93
	U of Washington	exceptional	IN	male	
Vargas, Matthew	San Jose State	ME		26 Hisp	3.98
	Stanford	exceptional	CA	male	
Wayne, Kevin	Yale	ind engrg		23 white	3.70
	Cornell	N/A	PA	male	
Winton, Michael	U of Michigan	mat sci		23 white	3.93
	UC Berkeley	exceptional	MI	male	
Wolfgang, Meldon	Webb Institute	naval arch		23 white	3.89
	MIT	exceptional	NY	male	

ASEE



American Society for Engineering Education

September 30, 1993

Dear Donald:

Your tenure as an NDSEG fellow has ended. ONR and ASEE realize that the time required to go from baccalaureate to doctorate is closer to five years than to three. However, by now you have probably earned your master's degree, completed all coursework for the PhD, and started your dissertation research. By this time you should be a valuable asset to any university department as a teaching assistant or research assistant. I hope you can secure such an assistantship for the remaining year or two.

I did a little calculation and learned that three years of tuition/fees, stipends, and department allowances at some U.S. institutions amounts to \$131,880. You can see that if ONR is to continue offering fellowships to incoming students, it must limit their duration.

Even though your tenure as an NDSEG fellow has ended, ONR and ASEE are very anxious to keep in contact with you. We would appreciate being informed of your whereabouts and your activities. It is quite likely that in the course of your studies and career you will take advantage of other programs sponsored by ONR or ASEE.

Would you mind filling out the enclosed form and returning it to me promptly? It requests your current mailing address, telephone number, immediate plans, and projected PhD completion date. ASEE's new address is suite 600, 1818 N Street, NW, Washington, DC 20036.

Best of luck in your studies and career, and keep in touch!

Yours truly,

A handwritten signature in cursive script that reads 'Jeffrey P. Jarosz'.

Jeffrey P. Jarosz
Program Manager
Projects Department

PS One other thing -- please be sure to acknowledge ONR's support in your dissertation and other publications.

1818 N Street, N.W.
Suite 600
Washington, D.C. 20036
Main (202) 331-3500
Fax (202) 265-8504

Today's Date _____

Name _____

Mailing Address _____

Telephone Number _____

Please check one of the following three sentences and answer the adjacent questions.

I. I am continuing my pursuit of the Ph.D. full time. _____

Name of institution _____

Anticipated date of completion _____

II. I am pursuing my Ph.D. part time and working part time. _____

Name of institution _____

Anticipated date of completion _____

Employer _____

Position _____

III. I have abandoned, at least for now, my pursuit of the Ph.D. _____

Employer _____

Position _____